

<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	<b>ATTY. DOC. NO.</b> 270/234	<b>SERIAL NO.</b> 10/037,477
	<b>APPLICANT:</b> Yoshihiro Takai et al.	
	<b>FILING DATE:</b> January 2, 2002	<b>GROUP:</b> 2882

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
CEL	AA	5,207,223	5/4/93	Adler	128	653.1	10/19/90
CEL	AB	5,427,097	6/27/95	Depp	128	653.1	12/10/92
CEL	AC	6,144,875	11/7/00	Schweikard et al.	600	427	3/16/99
CEL	AD	6,222,901	4/24/01	Meulenbrugge et al.	378	19	3/12/99

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
CEL	AE	Yonesaka A. et al., "Application of real-time tracking radiation therapy (RTRT) system for the treatment of spinal and paraspinal diseases"; <i>J. Radiat Oncol. Biol. Phys.</i> , 2001; 51 (3S1): Abstract No. 44., PMID: 14; 2 pp.
CEL	AF	Jolesz, Ferenc A., M.D., "IMAGE-GUIDED PROCEDURES AND THE OPERATING ROOM OF THE FUTURE"; <i>Brigham and Women's Hospital, Harvard Medical School</i> , pp. 1-23.
CEL	AG	Shimizu, S., et al., "Fluoroscopic Real-Time Tumor-Tracking Radiation Treatment (RTRT) Can Reduce Internal Margin (IM) and Set-up Margin (SM) of Planning Target Volume (PTV) for Lung Tumors; 2 pp.
CEL	AH	Kitamura, K., et al., "Migration of the Internal Fiducial Gold Marker Implanted into Prostate and Liver treated with Real-Time Tumor-Tracking Radiation Treatment (RTRT)", <i>Hokkaido University School of Medicine, Sapporo, Japan</i> ; 2 pp.
CEL	AI	Kitamura, Kei et al.; "3D INTRA-FRACTIONAL MOVEMENT OF PROSTATE MEASURED DURING REAL-TIME TUMOR TRACKING RADIATION THERAPY [RTRT] IN SUPINE AND PRONE TREATMENT POSITIONS"; <i>Department of Radiology and Urology, Hokkaido University School of Medicine</i> ; 15 pp.
CEL	AJ	Fujita K., "Three-dimensional conformal set-up of prostate cancer by adjustment of actual clinical target volume (CTV) to virtual CTV using three fiducial markers and fluoroscopic real-time tracking system.", <i>J. Radiat. Oncol. Biol. Phys.</i> , 2001; 51 (3S1): Abstract No. 2303, PMID: 16; 2 pp
CEL	AK	Benedict, Stanley H., "Looking Into Patient Positioning and Organ Motion", <i>VCU Health Sytem</i> , pp. 1-10.

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<b>EXAMINER:</b> Not Yet Assigned <i>Chun</i>	<b>DATE CONSIDERED:</b> <i>6/04</i>
<b>EXAMINER:</b> Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant	

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Substitute for form 1449A-PTO

**SECOND SUPPLEMENTAL  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/037,477
Filing Date	January 2, 2002
First Named Inventor	Yoshihiro Takai
Art Unit	2882
Examiner Name	Not yet assigned
Attorney Docket No.	270/234; 18721-7053

Sheet

1

of

2

**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher city and/or country where published
CSC	1	Balter, J. M. et al., "Daily targeting of intrahepatic tumors for radiotherapy," <i>Int J Radiat Oncol Biol Phys</i> , 2002, Jan 1:52(1), pp. 268-71
CSC	2	Cho, P.S. et al. "Cone-beam CT for radiotherapy applications," <i>Phys Med Biol</i> 1995;40: pp. 1863-1883.
CSC	3	Drake, D.G. et al. "Characterization of a fluoroscopic imaging system for kilovoltage and megavoltage radiography," <i>Med Phys</i> 2000;27: pp. 898-905.
CSC	4	Fahrig, R. et al., "Three-dimensional computed tomographic reconstruction using a C-arm mounted XRII: Imagebased correction of gantry motion non-idealities," <i>Med Phys</i> 2000;27:30-38.
CSC	5	Feldkamp, L.A. et al. "Practical cone-beam algorithm," <i>J Opt Soc Am A</i> 1984;1: pp. 612-619.
CSC	6	Groh, B.A. et al. "A performance comparison of flat-panel imager-based MV and kV conebeam CT," <i>Med Phys</i> 2002;29: pp. 967-975.
CSC	7	Jaffray, D.A. et al. "A radiographic and tomographic imaging system integrated into a medical linear accelerator for localization of bone and soft-tissue targets," <i>Int J Radiat Oncol Biol Phys</i> 1999;45: pp. 773-789.
CSC	8	Jaffray, D.A. et al. "Cone-beam computed tomography with a flat-panel imager: initial performance characterization," <i>Med Phys</i> 2000;27: pp.1311-23.
CSC	9	Keall, P. J. et al., "[Abstract] Motion Adaptive X-ray Therapy: A feasibility study," <i>3<sup>rd</sup> Annual IMRT Symposium ABSTRACTS</i> , Chicago 2000 World Congress, July 24, 2000, Sheraton Chicago, Chicago, Illinois.
CSC	10	Keall, P. J. et al., "[Presentation] Motion Adaptive X-Ray Therapy: A Feasibility Study," Medical College of Virginia Hospitals, Virginia Commonwealth University.
CSC	11	Midgley, S., et al. "A feasibility study for megavoltage cone beam CT using commercial EPID," <i>Phys Med Biol</i> 1998;43: pp. 155-169.

Examiner's  
Signature

Church

Date  
Considered

6/04

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S  
INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

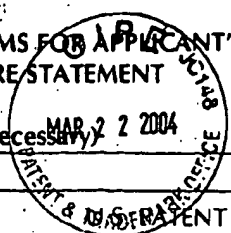
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270/234

SERIAL NO.  
10/037,477

APPLICANT:  
Yoshihiro Takai et al.

FILING DATE:  
January 2, 2002

GROUP:  
2882



## PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
CEL	AA	5,727,554	03/17/98	Kalend et al.	128	653.1	09/19/96
CEL	AB	5,823,192	10/20/98	Kalend et al.	128	845	07/31/96
CEL	AC	6,020,159	02/01/00	Black et al.	435	69.1	08/04/97
CEL	AD	6,138,302	10/31/00	Sashin et al.	5	600	11/10/98
	AE	<del>6,307,914 B1</del>	<del>10/22/01</del>	<del>Kunieda et al.</del>	<del>378</del>	<del>65</del>	<del>12/01/99</del>

*of record*

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

CEL	AF	B.J. Lopresti, et al., "Implementation and Performance of an Optical Motion Tracking System for High Resolution Brain PET Imaging", <i>IEEE Transactions on Nuclear Science</i> , Vol. 46, No. 6, December 1999, pp. 2059-2067					
CEL	AG	P.J. Keall, et al., "Motion adaptive x-ray therapy: a feasibility study", <i>Physics in Medicine Biology</i> , 46 (2001) 1-10					
CEL	AH	Paul Keall, "4D IMRT: Imaging, Planning and Delivery", January 31, 2001, pp. 1-53					

EXAMINER:  
Not Yet Assigned

*Church*

DATE CONSIDERED:

*6/04*

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